Amendments to the Specification

Specification

The disclosure is objected to because of the following informalities: the term "compirator" is used throughout the specification (at least 14 occurrences) and should be changed to --comparator--.

Appropriate corrections have been made to specifications listed below.

[0034] The comparison portion 301 also includes a number of ~~comparitors~~ comparators 310, 312, 314, and 316 for comparing the signals indicative of the fuser roller rotation, fuser roller temperature, and heater temperature to set values in determining, respectively: (1) whether or not the fuser roller 12 is rotating, (2) whether or not the fuser roller temperature is above a predetermined operating temperature, (3) whether or not the heater temperature is above a predetermined maximum heater temperature, and (4) whether or not the heater temperature is below a predetermined target heater temperature.

[0035] The ~~comparitors~~ comparators function as follows. ~~Comparitor~~ Comparator 310 compares the signal indicative of whether the fuser roller is rotating with a set signal and if the signal indicative of the fuser roller rotation indicates that the fuser roller is not rotating, outputs a voltage signal indicating that the heater 16 should be shut off. ~~Comparitor~~ Comparator 312 compares the signal indicative of the temperature of the fuser roller with a set signal, which is indicative of the predetermined operating temperature, and if the signal indicative of the temperature of the fuser roller indicates that the fuser roller temperature is above the predetermined operating temperature, outputs a voltage signal indicating that the heater should be shut off.

[0036] Similarly, ~~comparitor~~ comparator 314 compares the signal indicative of the temperature of the heater 16 with a set signal, which is indicative of the predetermined maximum heater temperature, and if the signal

indicative of the temperature of the heater indicates that the heater temperature is above the predetermined maximum heater temperature, outputs a voltage signal indicating that the heater should be shut off. ~~Comparitor~~ Comparator 316 compares the signal indicative of the temperature of the heater with a set signal, which is indicative of the predetermined heater target temperature, and if signal indicative of the temperature of the heater indicates that the heater temperature is below the predetermined heater target temperature outputs a voltage signal indicating that the heater should be on. Variable resistor 308 sets the heater target temperature.

[0038] The photo diac 320 operates based on the voltage signals output from the ~~comparitor~~ comparator outputs. ~~Comparitor~~ Comparator outputs of ~~comparitors~~ comparators 310, 312, and 314 are arranged as shown in Figure 3 connected to a first terminal 322 of photo diac 320, and the output of ~~comparitor~~ comparator 316 is arranged connected to a second terminal 324 of the photo diac 320. If the output signal from any one of the ~~comparitors~~ comparators 310, 312, and 314 is a voltage signal indicating that the heater should be off, the photodiac 320 in conjunction with the triac 330 acts to prevent the AC line power from reaching the heater lamp 360, regardless of the output signal from the ~~comparitor~~ comparator 316. On the other hand if the output signal from all of the ~~comparitors~~ comparators 310, 312 and 314 is not a voltage signal indicating that the heater should be off and the output from the ~~comparitor~~ comparator 316 is a voltage signal indicating that the heater should be on, the photo diac 320 and triac 330 act to allow the AC line power to reach the heater lamp 360, and thus the heater 16, is operated to provide heat.